

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104314.D
 Acq On : 6 Apr 2018 19:17
 Operator : JU/SJ
 Sample : J2153-03 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-040418-B

Quant Time: Apr 06 23:10:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

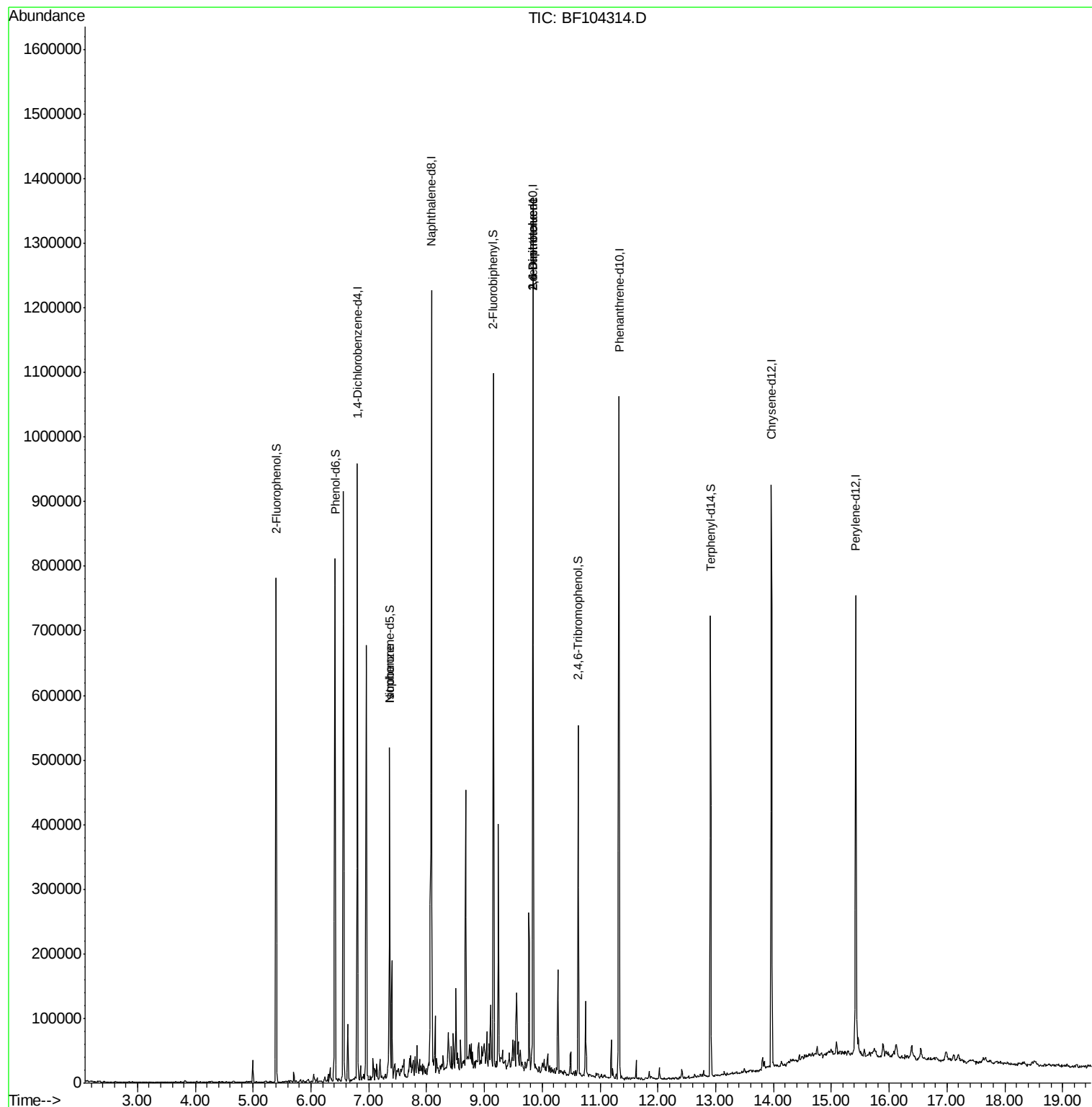
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	133203	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	532129	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	235802	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	383314	20.00	ng	0.00
75) Chrysene-d12	13.96	240	280833	20.00	ng	-0.01
86) Perylene-d12	15.42	264	290108	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	219291	25.17	ng	0.00
7) Phenol-d6	6.42	99	266725	24.92	ng	-0.01
23) Nitrobenzene-d5	7.36	82	140352	17.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	53298	21.79	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	283231	18.98	ng	0.00
78) Terphenyl-d14	12.91	244	206514	16.77	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.33	77	270	Below Cal	#	1
25) Isophorone	7.36	82	140121	8.131 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	31092	9.036 ng	#	26
56) 2,4-Dinitrotoluene	9.84	165	31092	6.889 ng	#	24
76) Benzidine	12.91	184	2921	Below Cal	#	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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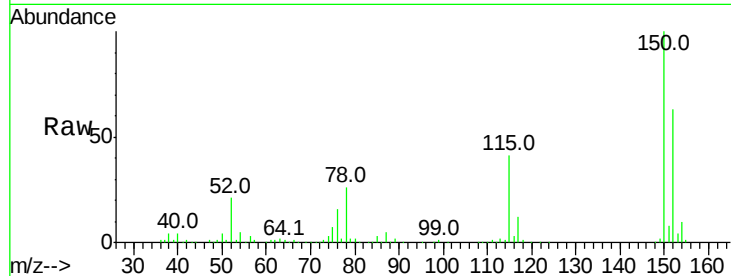


#1

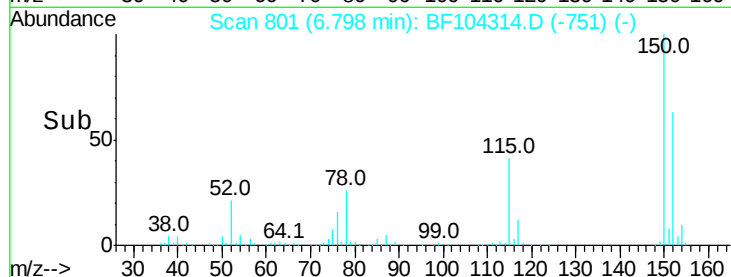
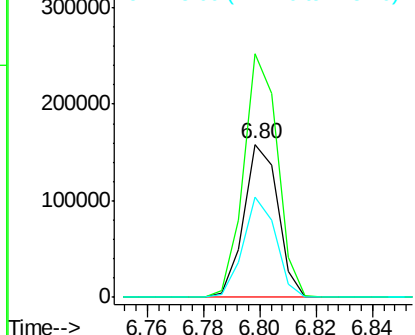
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF104314.D
Acq: 6 Apr 2018 19:17

Instrument :
BNA_F
ClientSampleId :
HR-06-040418-B

Tot Ion:152 Resp: 133203
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 65.4 50.1 75.1



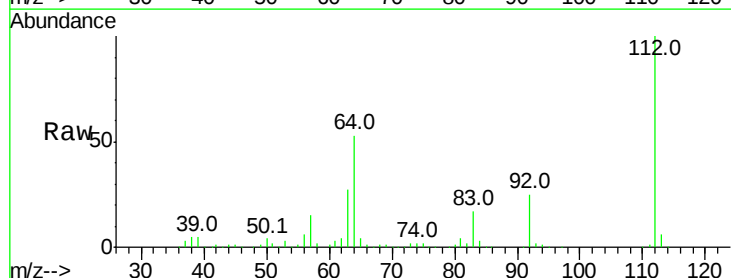
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



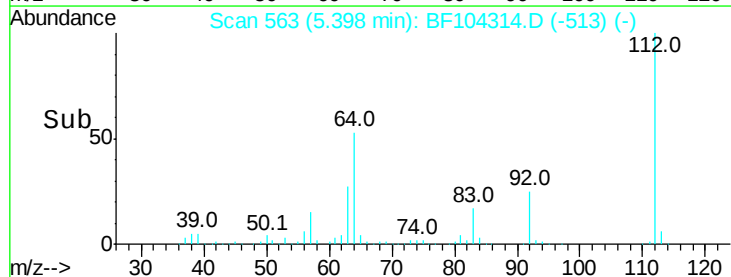
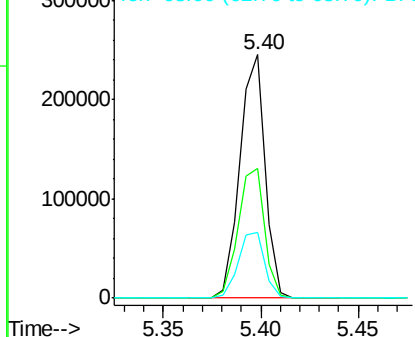
#5

2-Fluorophenol
Concen: 25.173 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF104314.D
Acq: 6 Apr 2018 19:17

Tgt Ion:112 Resp: 219291
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 26.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.919 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104314.D

Acq: 6 Apr 2018 19:17

Instrument :

BNA_F

ClientSampleId :

HR-06-040418-B

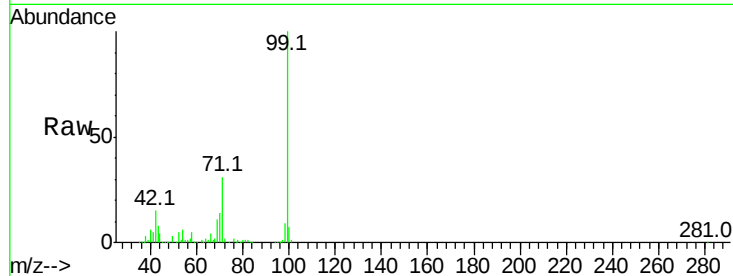
Tot Ion: 99 Resp: 266725

Ion Ratio Lower Upper

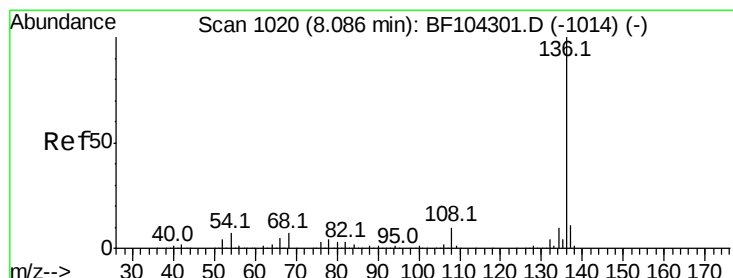
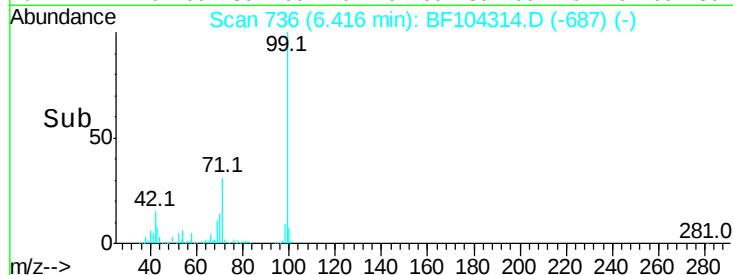
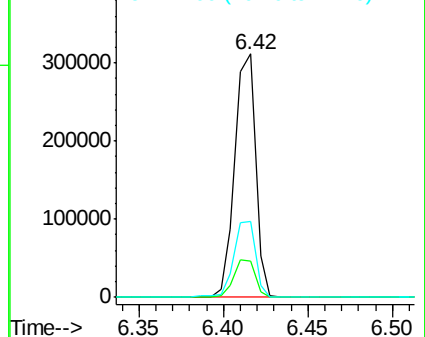
99 100

42 14.9 14.5 21.7

71 31.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104314.D

Acq: 6 Apr 2018 19:17

Tgt Ion: 136 Resp: 532129

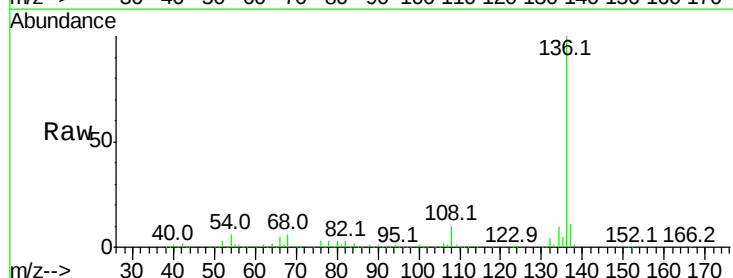
Ion Ratio Lower Upper

136 100

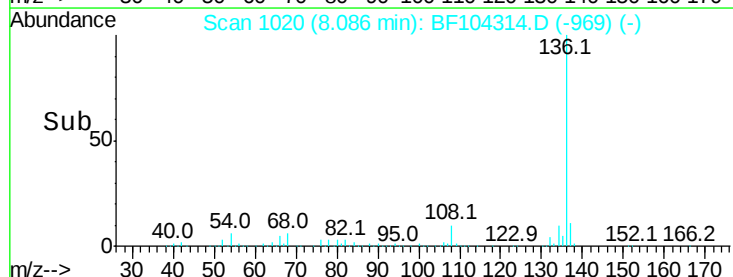
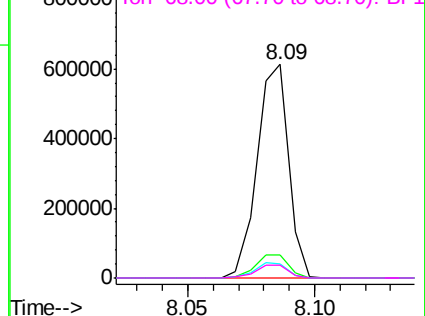
137 11.0 8.9 13.3

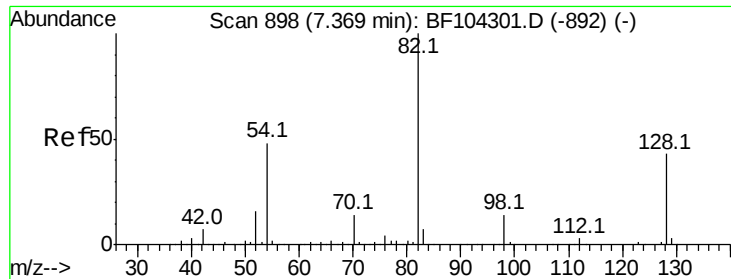
54 6.5 6.6 9.8#

68 5.8 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

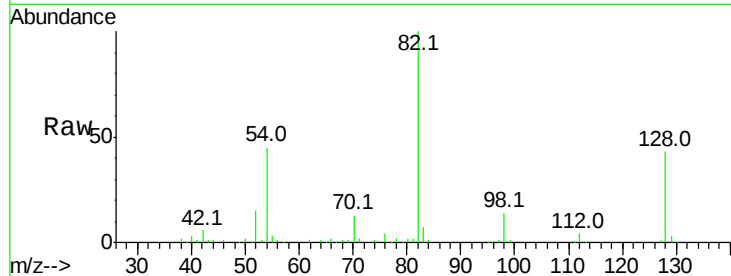




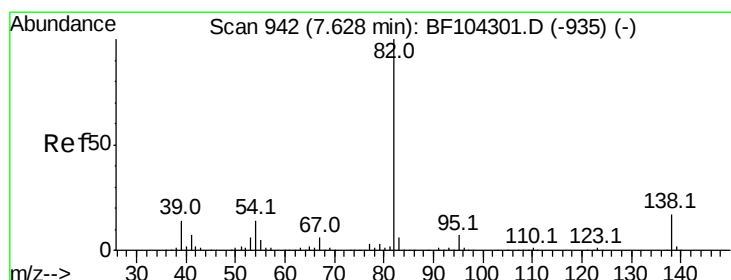
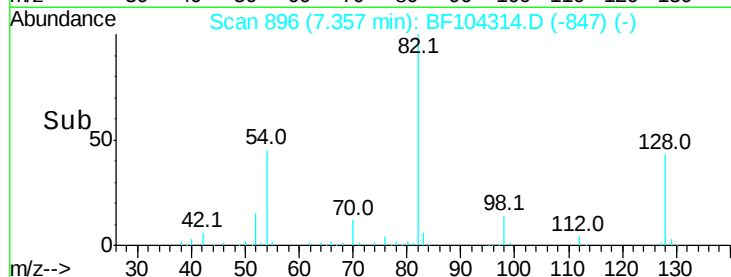
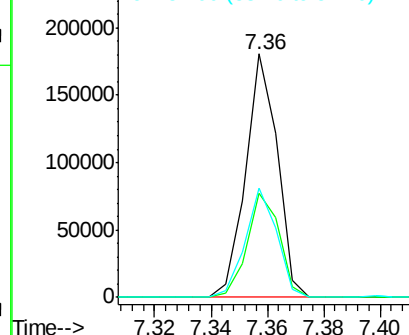
#23
 Nitrobenzene-d5
 Concen: 17.223 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF104314.D
 Acq: 6 Apr 2018 19:17

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-040418-B

Tot Ion: 82 Resp: 140352
 Ion Ratio Lower Upper
 82 100
 128 42.5 36.1 54.1
 54 44.9 41.4 62.2

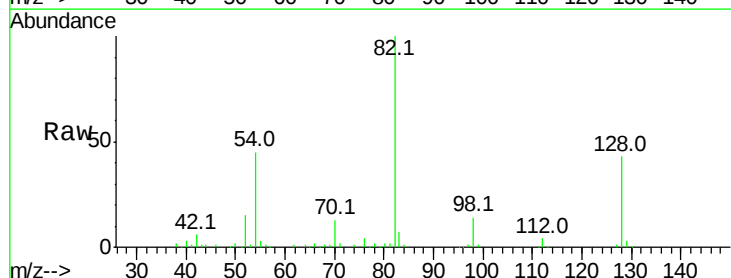


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

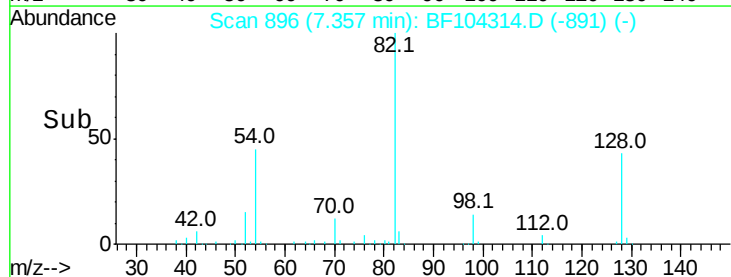
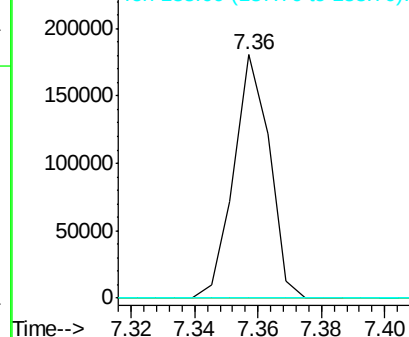


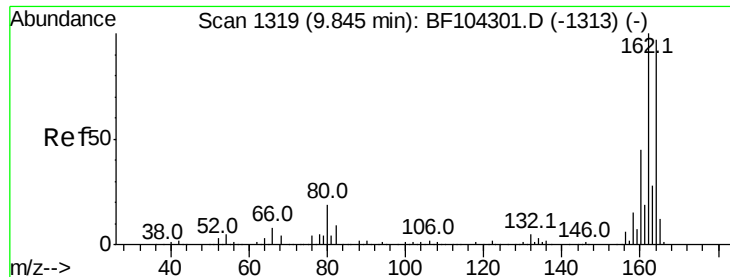
#25
 Isophorone
 Concen: 8.131 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.27 min
 Lab File: BF104314.D
 Acq: 6 Apr 2018 19:17

Tgt Ion: 82 Resp: 140121
 Ion Ratio Lower Upper
 82 100
 95 0.3 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

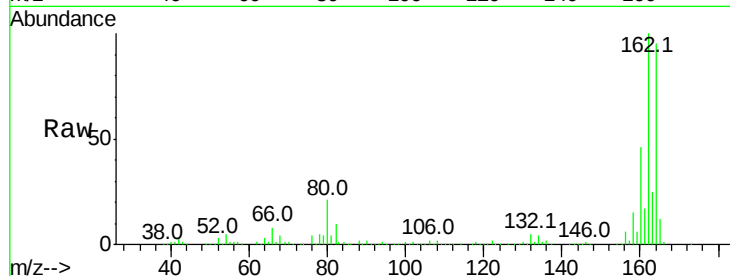




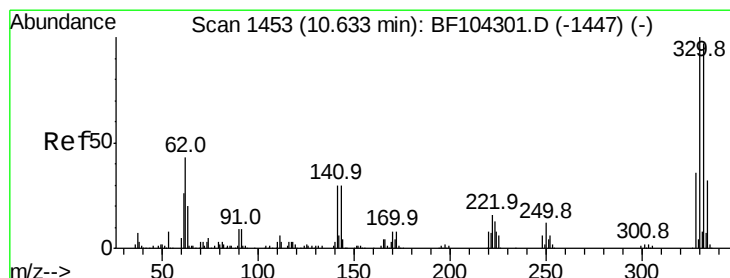
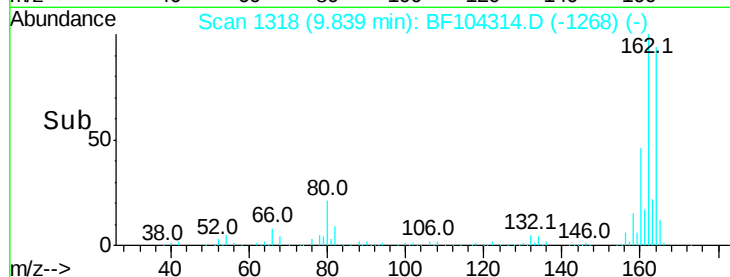
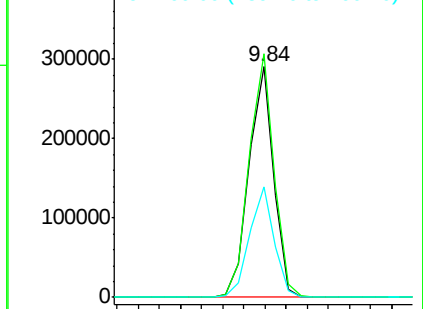
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104314.D
Acq: 6 Apr 2018 19:17

Instrument :
BNA_F
ClientSampleId :
HR-06-040418-B

Tot Ion:164 Resp: 235802
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 48.1 38.3 57.5

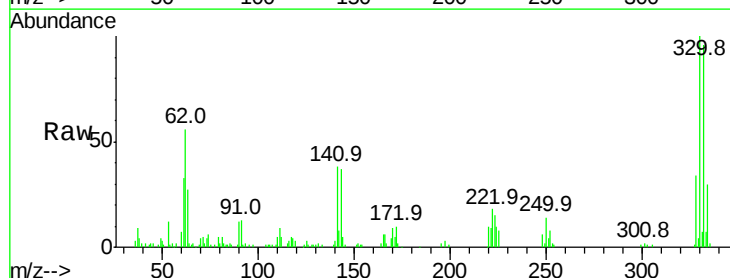


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

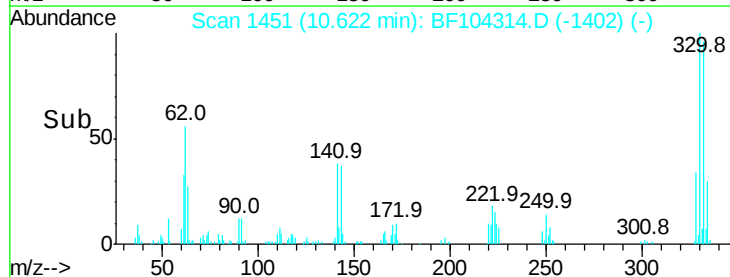
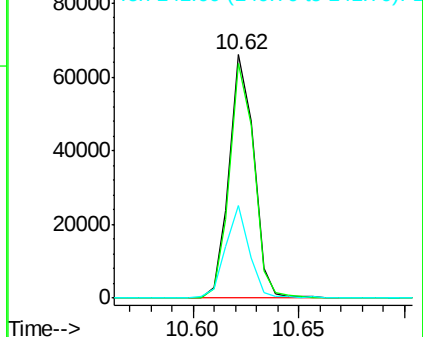


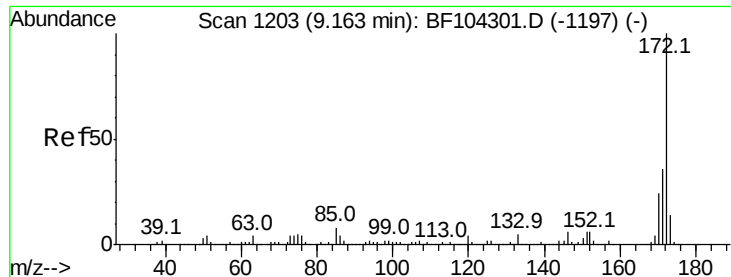
#41
2,4,6-Tribromophenol
Concen: 21.790 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF104314.D
Acq: 6 Apr 2018 19:17

Tgt Ion:330 Resp: 53298
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 37.3 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

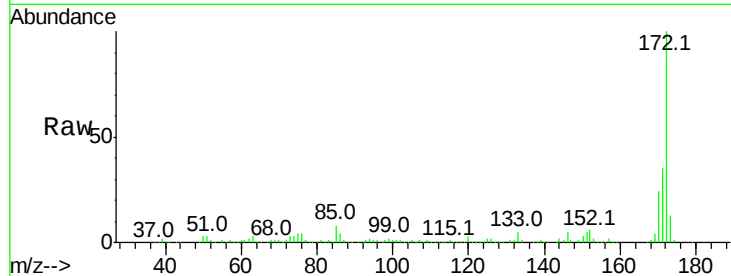




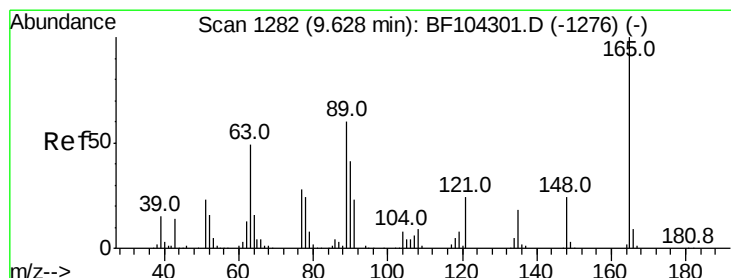
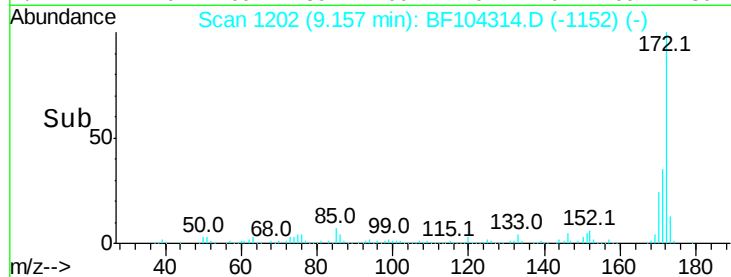
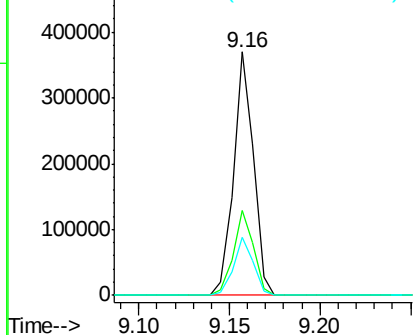
#44
 2-Fluorobiphenyl
 Concen: 18.975 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104314.D
 Acq: 6 Apr 2018 19:17

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-040418-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.7	19.6	29.4

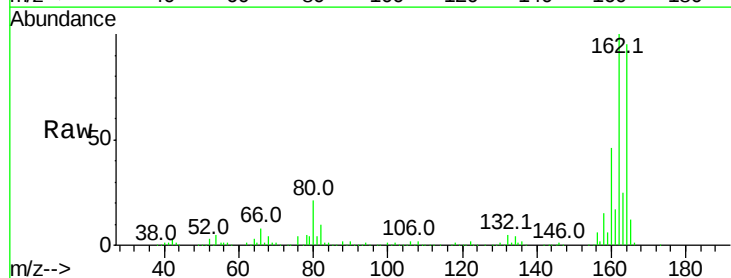


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

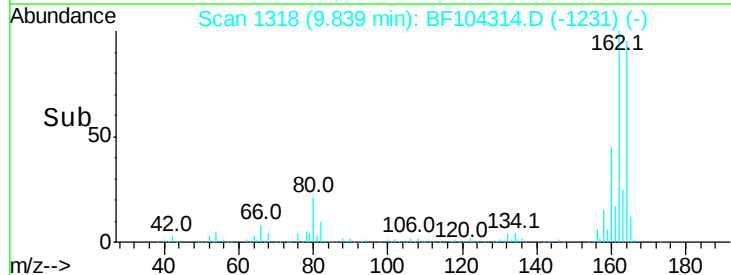
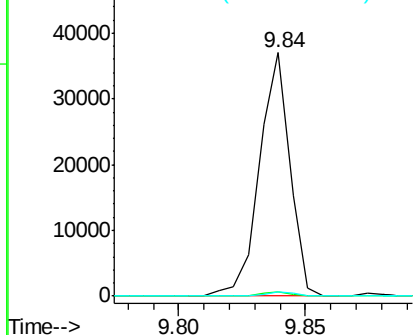


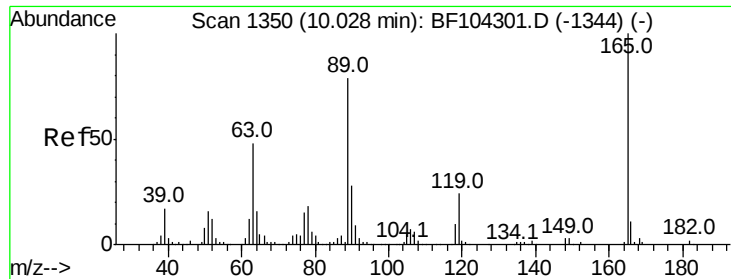
#50
 2,6-Dinitrotoluene
 Concen: 9.036 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104314.D
 Acq: 6 Apr 2018 19:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.6	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

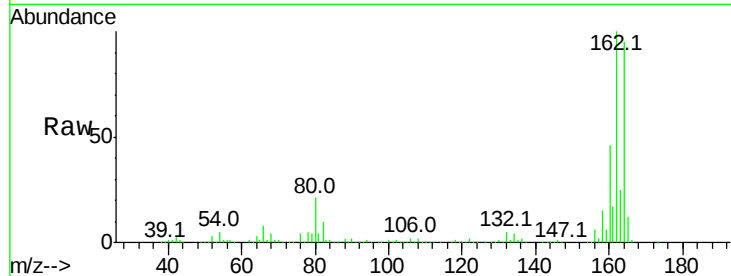




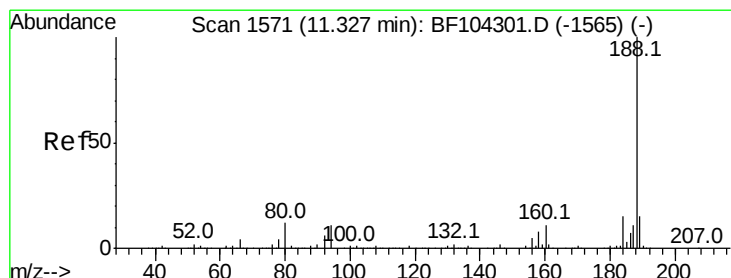
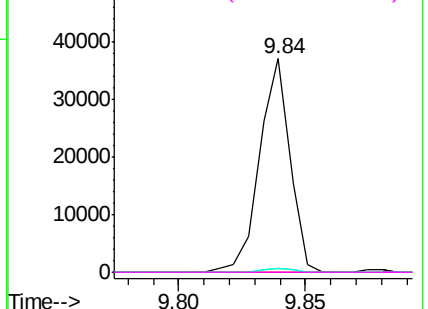
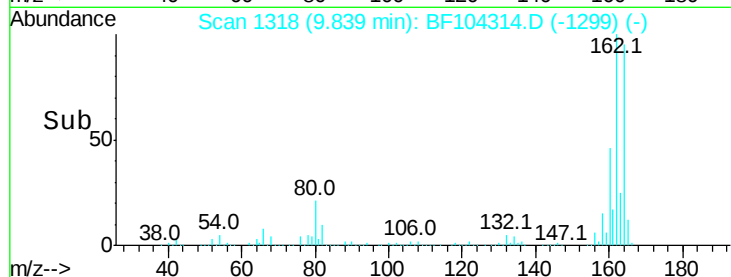
#56
 2,4-Dinitrotoluene
 Concen: 6.889 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104314.D
 Acq: 6 Apr 2018 19:17

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-040418-B

Tot Ion:165 Resp: 31092
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

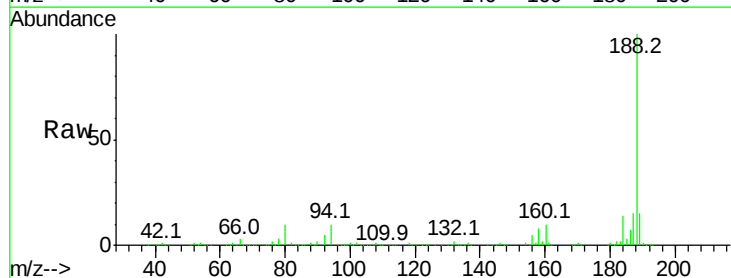


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

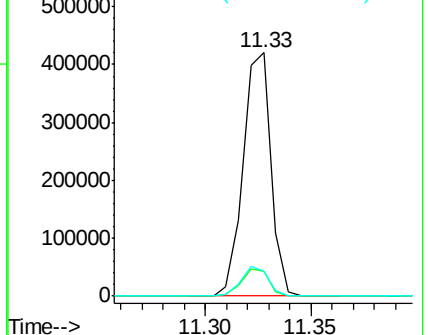
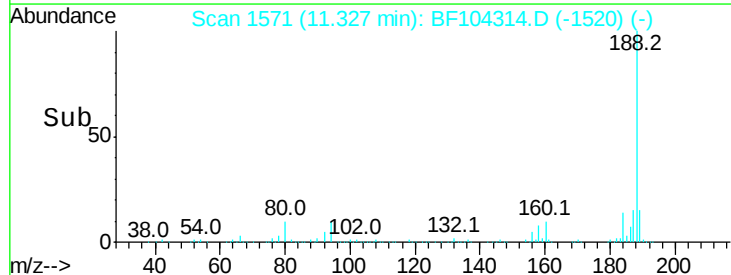


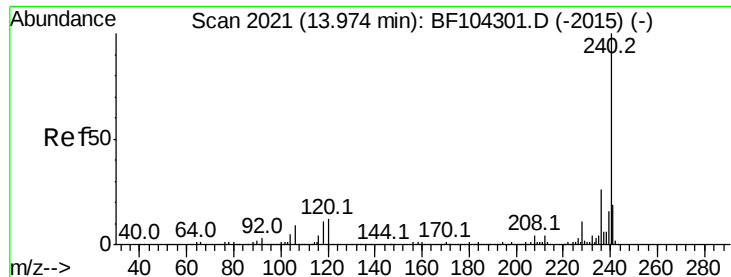
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF104314.D
 Acq: 6 Apr 2018 19:17

Tgt Ion:188 Resp: 383314
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF104314.D

Acq: 6 Apr 2018 19:17

Instrument :

BNA_F

ClientSampleId :

HR-06-040418-B

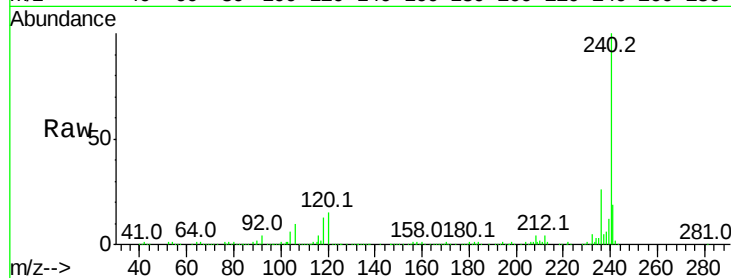
Tot Ion:240 Resp: 280833

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

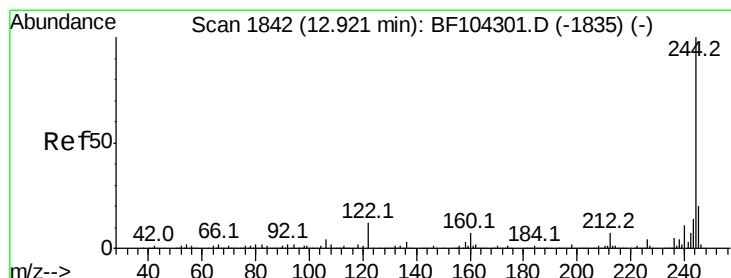
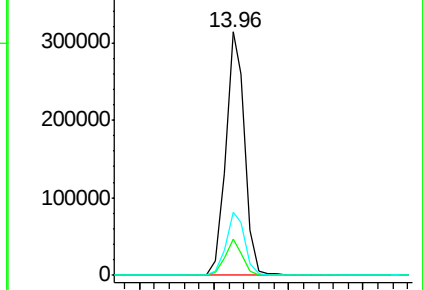
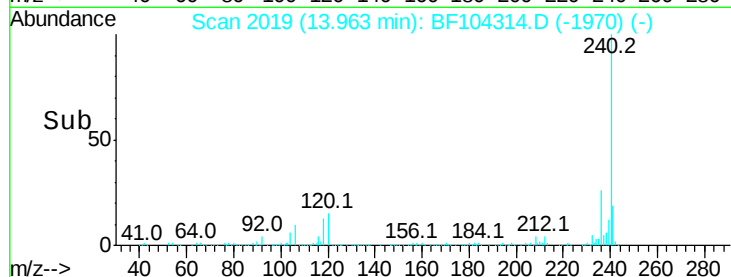
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 16.765 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF104314.D

Acq: 6 Apr 2018 19:17

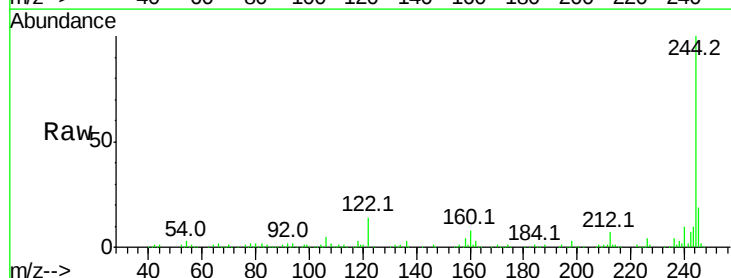
Tgt Ion:244 Resp: 206514

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

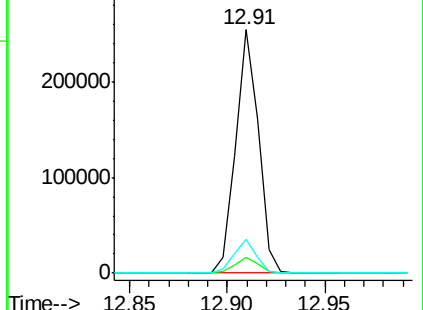
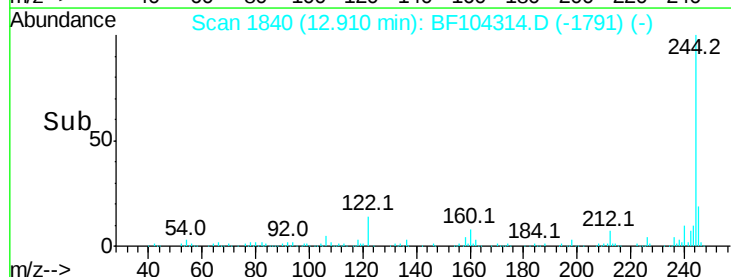
122 14.1 11.0 16.4

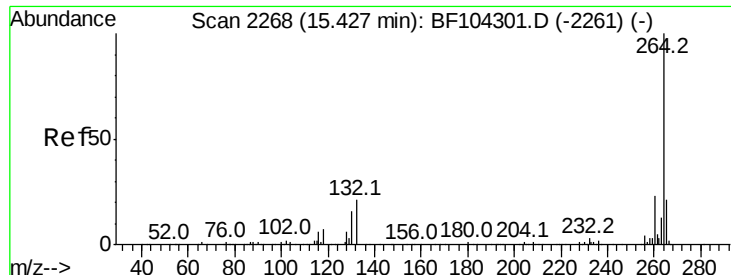


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

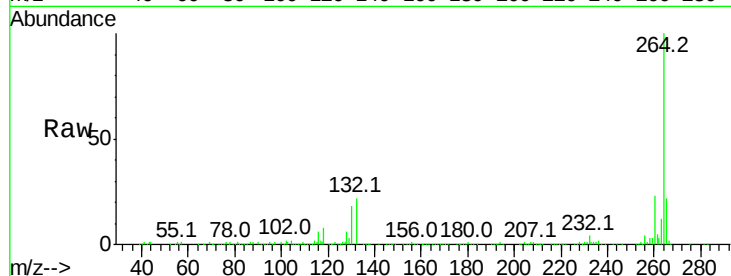




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: BF104314.D
 Acq: 6 Apr 2018 19:17

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-040418-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

